

	Title	Current XRef	Retrieval Classif
1	Method of using a pulling tool for pulling off a rotor or fan from a shaft	29/426.1; 29/598; 29/732	
2	Hand tool for extracting bolts		
3	Method of using a pulling tool	29/426.5	
4	Cylindrical member and engagement member assembly using plural fitting portion pairs	29/895.22; 399/117; 399/279	
5	Pulling tool	29/261; 29/426.5; 29/598; 29/764	
6	Pulling tool	29/261; 29/426.4; 29/598; 29/764	
7	Pulling tool	29/261; 29/426.4; 29/598; 29/764	
8	Pulling tool	29/261; 29/426.4; 29/598; 29/764	
9	Pulling tool	29/261; 29/426.4; 29/598; 29/764	
10	Transmission clutch housing removal tool set		
11	Method for retubing a steam generator	165/76; 29/402.08; 376/402; 976/DIG.293	
12	PULLING TOOL	29/264	
13	PULLING TOOL	29/264	

	Document ID	Issue Date	Pages	Current OR
1	US 20020138976 A1	20021003	12	29/762
2	US 6560836 B1	20030513	10	29/259
3	US 6249958 B1	20010626	11	29/598
4	US 5739900 A	19980414	72	355/109
5	US 5606788 A	19970304	11	29/259
6	US 5479688 A	19960102	11	29/259
7	US 5390404 A	19950221	10	29/259
8	US 5211211 A	19930518	7	29/259
9	US 5163211 A	19921117	5	29/259
10	US 4656715 A	19870414	7	29/259
11	US 4192053 A	19800311	14	29/890.031
12	US 3863322 A	19750204	7	29/283
13	US 3748718 A	19730731	5	29/283

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10	Diaz, Eusebio M.
11	Blanco, Rodney A. et al.
12	Russell, Curtis J.
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East searched

L Number	Hits	Search Text	DB	Time stamp
1	13	pulling near tool and motor and fan and 29/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/05 14:18
2	89	pulling near tool and (29/764; 29/762 ; 29/758 ; 29/258-262 ; 29/267 ; 29/596 ; 29/598 ; 29/426.5).ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/05 14:17
3	0	Rubino near Michael .inv. and Berg near Michael .inv. and Rubino near Carol .inv.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/05 14:21
4	1	Rubino near Michael .inv.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/05 14:20
5	14	Rubino near Michael .inv.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/05 14:21
6	2	Rubino near Michael .inv. and Berg near Michael .inv. and Rubino near Carol .inv.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/05 14:22
7	6	Rubino near Michael .inv. and Berg near Michael .inv.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/05 14:22
8	14	Rubino near Michael .inv.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/05 14:22
9	2	("2188074" "4077103").PN.	USPAT	2003/11/05 14:23

US-PAT-NO: 6249958

DOCUMENT-IDENTIFIER: US 6249958 B1

TITLE: Method of using a pulling tool

DATE-ISSUED: June 26, 2001

INVENTOR-INFORMATION:

NAME	STATE	ZIP CODE	COUNTRY	CITY	
Bubino; Michael				Chicago	IL
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Berg; Michael				Elgin	IL
	N/A	N/A			

US-CL-CURRENT: 29/598, 29/426.5

CLAIMS:

What is claimed is:

1. A method of using a pulling tool for pulling off a rotor of a motor or a fan from a shaft, said pulling tool comprising an elongated screw having a first end and a second end, a housing with which said screw is threadingly received, said housing comprising a first open end through which threadingly passes said screw, and a second open end through which protrudes said second end of said screw, said housing comprising at least first securing means for releasably holding a fan, said first securing means comprising a plurality of hooked securing arm-members, each said arm-member having a first end and a second hooked end, said second end of each said arm-member being capable of being hung so as to protrude beyond said second open end of said housing, said housing comprising a first, relatively-narrower section having a first end

constituting said first open end, and a second end; and a second, relatively-larger section having a first end connected to said second end of said first section, and a second end constituting said second open end of said housing; said first end of said second section comprising an annular surface portion; said annular surface portion having groove means formed therein for receiving said second ends of said arm-members, said method comprising:

(a) inserting said first ends of said plurality of arm-members in said groove means; and

(b) slidably moving said first ends in said groove means in order to achieve a desired spacing between said first ends, whereby said arm-members are spaced apart in an optimal fashion.

2. The method according to claim 1, wherein said groove-means comprises a continuous groove extending for a full 360 degrees about said annular surface, said step (b) providing a substantially infinite spacing-adjustment capability between said arm-members.

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	N/A	N/A			
Berg; Michael				Elgin	IL
	N/A	N/A			

INT-CL: [07] H02K015/02

US-CL-ISSUED: 29/598, 29/426.5

US-CL-CURRENT: 29/598, 29/426.5

FIELD-OF-SEARCH: 29/598; 29/596 ; 29/764 ; 29/762 ; 29/758
; 29/258-262
; 29/267 ; 29/426.4

REF-CITED:

PAT-NO		U.S. PATENT DOCUMENTS	
		ISSUE-DATE	PATENTEE-NAME
		US-CL	
<u>2188074</u>		January 1940	Condon
	29/261	<u>N/A</u>	N/A
4077103		March 1978	<u>Kelley</u>
	29/259	N/A	N/A

ART-UNIT: 379

PRIMARY-EXAMINER: Hall; Carl E.